

1/13

SEQUENCE LISTING

<110> ITOH, Kyogo; Sumitomo Pharmaceuticals Company, Limited

<120> Tumor Antigen Peptides Derived From Cyclophilin B

<130> 661366

5 <140>

<141>

<150> Japan: 98-178449

<151> 25. 06. 98

<160> 43

<210> 1

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1

Lys Phe His Arg Val Ile Lys Asp Phe

1

5

<210> 2

20 <211> 9

<212> PRT

<213> Homo sapiens

<400> 2

Asp Phe Met Ile Gln Gly Gly Asp Phe

25 1

5

<210> 3

<211> 9

<212> PRT

09720469.12200

<213> Homo sapiens

<400> 3

Gly Phe Gly Tyr Lys Asn Ser Lys Phe

1 5

5

<210> 4

<211> 11

<212> PRT

<213> Homo sapiens

<400> 4

Gly Tyr Lys Asn Ser Lys Phe His Arg Val Ile

1 5 10

<210> 5

<211> 11

<212> PRT

<213> Homo sapiens

<400> 5

Asn Phe Lys Leu Lys His Tyr Gly Pro Gly Trp

1 5 10

<210> 6

<211> 11

<212> PRT

<213> Homo sapiens

<400> 6

Ile Tyr Gly Glu Arg Phe Pro Asp Glu Asn Phe

1 5 10

002222T-69402760  
09720469-122200

20

25

&lt;210&gt; 7

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

5 &lt;400&gt; 7

Arg Phe Pro Asp Glu Asn Phe Lys Leu

1

5

&lt;210&gt; 8

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 8

His Tyr Gly Pro Gly Trp Val Ser Met

1

5

&lt;210&gt; 9

&lt;211&gt; 10

&lt;212&gt; PRT

20 &lt;213&gt; Homo sapiens

&lt;400&gt; 9

Phe Phe Ile Thr Thr Val Lys Thr Ala Trp

1

5

10

25 &lt;210&gt; 10

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 10

002221.6940260  
09720469.122200

4/13

Ala Trp Leu Asp Gly Lys His Val Val Phe

1 5 10

<210> 11

5 <211> 9

<212> PRT

<213> Homo sapiens

<400> 11

Val Phe Gly Lys Val Leu Glu Gly Met

1 5

<210> 12

<211> 8

<212> PRT

<213> Homo sapiens

<400> 12

Lys Val Leu Leu Ala Ala Ala Leu

1 5

20 <210> 13

<211> 11

<212> PRT

<213> Homo sapiens

<400> 13

25 Leu Leu Ala Ala Ala Leu Ile Ala Gly Ser Val

1 5 10

<210> 14

<211> 10

00222T 69402760  
09720469 12200

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 14

Ala Leu Ile Ala Gly Ser Val Phe Phe Leu

5            1                    5                    10

&lt;210&gt; 15

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 15

Ala Leu Ile Ala Gly Ser Val Phe Phe Leu Leu

1                    5                    10

&lt;210&gt; 16

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 16

20        Leu Ile Ala Gly Ser Val Phe Phe Leu

1                    5

&lt;210&gt; 17

&lt;211&gt; 10

25        &lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 17

Leu Ile Ala Gly Ser Val Phe Phe Leu Leu

1                    5                    10

002221-69402760  
09720469-122200

<210> 18

<211> 11

<212> PRT

5 <213> Homo sapiens

<400> 18

Leu Ile Ala Gly Ser Val Phe Phe Leu Leu Leu

1 5 10

<210> 19

<211> 10

<212> PRT

<213> Homo sapiens

<400> 19

Lys Val Thr Val Lys Val Tyr Phe Asp Leu

1 5 10

<210> 20

<211> 8

20 <212> PRT

<213> Homo sapiens

<400> 20

Thr Val Lys Val Tyr Phe Asp Leu

1 5

<210> 21

<211> 9

<212> PRT

<213> Homo sapiens

09/20/469.122200

25

&lt;400&gt; 21

Asp Leu Arg Ile Gly Asp Glu Asp Val

1

5

5

&lt;210&gt; 22

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 22

Asp Val Gly Arg Val Ile Phe Gly Leu

1

5

&lt;210&gt; 23

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 23

Arg Val Ile Phe Gly Leu Phe Gly Lys Thr Val

1

5

10

20

&lt;210&gt; 24

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

25

&lt;400&gt; 24

Gly Leu Phe Gly Lys Thr Val Pro Lys Thr Val

1

5

10

&lt;210&gt; 25

09720469.132300  
003221.6940260

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

5 Thr Val Pro Lys Thr Val Asp Asn Phe Val

1 5 10

&lt;210&gt; 26

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 26

Thr Val Asp Asn Phe Val Ala Leu

1 5

&lt;210&gt; 27

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

20 &lt;400&gt; 27

Lys Leu Lys His Tyr Gly Pro Gly Trp Val

1 5 10

&lt;210&gt; 28

25 &lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 28

Ser Gln Phe Phe Ile Thr Thr Val

00720469.12200  
00222T.69402760



9/13

1

5

<210> 29

<211> 10

5

<212> PRT

<213> Homo sapiens

<400> 29

Phe Ile Thr Thr Val Lys Thr Ala Trp Leu

1

5

10

<210> 30

<211> 8

<212> PRT

<213> Homo sapiens

<400> 30

Trp Leu Asp Gly Lys His Val Val

1

5

<210> 31

20

<211> 8

<212> PRT

<213> Homo sapiens

<400> 31

His Val Val Phe Gly Lys Val Leu

25

1

5

<210> 32

<211> 8

<212> PRT

00:20:45.12:00

10/13

<213> Homo sapiens

<400> 32

Lys Val Leu Glu Gly Met Glu Val

1

5

5

<210> 33

<211> 9

<212> PRT

<213> Homo sapiens

<400> 33

Lys Val Leu Glu Gly Met Glu Val Val

1

5

<210> 34

<211> 8

<212> PRT

<213> Homo sapiens

<400> 34

Val Leu Glu Gly Met Glu Val Val

20

1

5

<210> 35

<211> 11

<212> PRT

25

<213> Homo sapiens

<400> 35

Val Leu Glu Gly Met Glu Val Val Arg Lys Val

1

5

10

09720469.122200

<210> 36

<211> 8

<212> PRT

<213> Homo sapiens

5 <400> 36

Gly Met Glu Val Val Arg Lys Val

1

5

<210> 37

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<221> VARIANT

<222> 2

<223> Xaa is Phe, Tyr, Met or Trp.

<220>

<221> VARIANT

<222> 9

20 <223> Xaa is Phe, Leu, Ile, Trp or Met.

<400> 37

Lys Xaa His Arg Val Ile Lys Asp Xaa

1

5

25 <210> 38

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

00322T" 69402260  
09720459.122200  
5

<221> VARIANT

<222> 2

<223> Xaa is Phe, Tyr, Met or Trp.

<220>

5 <221> VARIANT

<222> 9

<223> Xaa is Phe, Leu, Ile, Trp or Met.

<400> 38

Asp Xaa Met Ile Gln Gly Gly Asp Xaa

1

5

<210> 39

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<221> VARIANT

<400> 39

Lys Tyr His Arg Val Ile Lys Asp Phe

20

1

5

<210> 40

<211> 9

<212> PRT

25 <213> Artificial Sequence

<220>

<221> VARIANT

<400> 40

Asp Tyr Met Ile Gln Gly Gly Asp Phe

005227.6940260

1 5

&lt;210&gt; 41

&lt;211&gt; 9

5 &lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 41

Gly Phe Met Cys Gln Gly Gly Asp Phe

1 5

&lt;210&gt; 42

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 42

Asp Phe Met Ile Gln Gly Gly Asp Ile

1 5

&lt;210&gt; 43

20 &lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 43

Thr Phe His Arg Val Ile Pro Ser Phe

25 1 5

002222T" 69402260